

**BILLS OF QUANTITIES**

**FOR**

**LOT 3: CONSTRUCTION OF 1 BLOCK OF 7  
STANCE VIP LATRINE FOR GIRLS IN BUGUMYA  
PRIMARY SCHOOL, MAYUGE DISTRICT**

**CLIENT:**



P.O BOX 163027 Kampala  
Plot 1026, Lukadde Road, Kira Ward

**OCTOBER 2024**

**MAIN SUMMARY**

<b>BILL NO.</b>	<b>DESCRIPTION</b>	<b>PAGE NO.</b>	<b>AMOUNT (USHS.)</b>
1	PRELIMINARIES		-
2	7 -STANCE VIP GIRL'S LATRINE		-
4	INCINERATOR		-
<b>GRAND TOTAL (U SHS.)</b>			<b>-</b>
		<p>.....</p> <p>Signature of Contractor</p> <p>Witness: _____</p> <p style="text-align: center;">_____</p> <p>Date: .....</p>	

No	Description	Unit	Qty	Rate	AMOUNT
I	<b>BILL NO I: PRELIMINARIES</b>				
1.01	Allow for all necessary preliminary items including temporary stores, offices, water, electricity, sanitary facilities, provision of samples and tests, general matters such as tools, plant equipment scaffolding and other things necessary for proper execution of works.	Item	1.0		-
					-
					-
					-
	<b>Total Preliminary to Summary</b>				-

**BILL NO 2: BOQ FOR 1 BLOCK 7 STANCE GIRLS DRAINABLE LATRINE AND  
WASHROOM FOR GIRLS**

No	Description	Unit	QTY	RATE	AMOUNT
2	<b>EXCAVATION AND EARTH WORKS</b>				
					-
2.01	Excavate over site to remove top vegetable soil average depth of 200mm, remove the tree stumps, cart away to atleast 30m from site.	m2	121.00		-
					-
2.02	Excavate for the latrine pit commencing at reduced level to depth not exceeding 4.0m i.e 10.2.m long, 2.050m wide and 3.15m deep and not less than 1.50m above the water table including all earth work support, keeping the excavation free from water and spreading excavated materials away inclusive of any rock areas.	m3	65.61		-
2.03	Excavate for foundations Plinth walling, curtain wall to a firm level not exceeding 1.0m deep return refill and ram.	m3	10.98		-
					-
2.06	Load wheel and deposit surplus excavated materials and deposit at distance not less than 1 km from the site as directed by site Engineer.	m3	30.64		-
					-
					-
<b>Total Excavation and Earth Works to Summary</b>					-
3	<b>SUB-STRUCTURE</b>				
	<b>Anti-termite treatment</b>				
3.01	Provide anti-termite treatment to sides of excavation and at intervals of every 300mm layer during back filling	sum	1.00		-
					-
	<b>Concrete Works</b>				
3.02	Cast 150mm mass concrete (1:3:6/25mm aggregate) at the base of pit.	m3	2.98		-
					-
3.03	Ditto but 200mm thick by 600mm wide foundation for curtail walls and bath	m3	1.03		-
					-
3.04	Ditto but 100mm thick oversite	m3	1.24		-
					-

3.05	200x600x600mm reinforced concrete (1:2:4/19mm aggregate) footing at the bottom of pit and 200x200 columns.	m3	1.54		-
					-
3.06	Ditto but 200x200mm ground beam and slab beam	m3	1.40		-
					-
3.07	Ditto suspended slabs. Squat holes and inspection chambers (600x500mm) should be provided.	m2	16.05		-
					-
3.08	Ditto but 100mm thick ramps	m2	3.00		-
					-
3.08	20mm thick plaster (1:2) APC ready to received DPC	m	22.50		-
					-
3.09	Lay 200mm wide bituminous felt or other approved materials as DPC on APC with 200mm overlaps ready to receive super structural walls	m	22.50		-
					-
3.1	25mm thick cement/sand (1:4) plaster applied in two layers and finished with a steel float applied to the internal surface of pit	m2	73.89		-
					-
	<b>Backfills</b>				-
3.11	Imported marrum fill to sides of excavations compacted in 200mm layers to 95% MDD ready to received hardcore	m3	25.00		-
					-
	<b>Total Carried to Collection</b>				-
					-
3.13	Supply and instal 1000mm gauge Polythene sheeting as tanking to the excavated pit	m2	69.60		-
					-
	<b>Brick Works</b>				-
3.14	200mm thick well burnt clay brick walls approved by engineer with metal strips at every 3 courses bedded in cement/sand mortar 1:3 and atleast 200mm well above ground.	m2	67.53		-
					-
3.15	Ditto but 200mm well burnt clay brick plinth wall to curtain wall and bath	m2	17.16		-
					-
	<b>Reinforcement Works</b>				-

3.16	High yield tensile steel bar reinforcement size 12mm diameter to BS 4461 as described including cutting to lengths, bending, hoisting and fixing including all necessary tying wire and spacers to columns and beams.	Kg	552.71		-
					-
3.17	Ditto but 10mm diameter for column bases 200mm at a spacing of 150 c/c	Kg	23.68		-
					-
3.18	Mild steel bar reinforcement size 8mm diameter to BS 4461 at 200mm centers for columns and beams	Kg	66.32		-
					-
3.19	Provide lockable 600mmx500mm precast iron air tight prefabricated covers with frame as inspection covers or as directed by engineer.	No.	1.00		-
					-
3.2	Steel fabric mesh reinforcement ref no. A98 weighing 1.58kg/m2: in floor bed: including tying wire and distance blocks	m2	28.55		-
					-
3.21	Ditto but in concrete ramps	m2	2.60		-
					-
					-
	<b>Total Carried to Collection</b>				-
	<b>Form works</b>				
3.22	Sawn formworks to sides of columns beams and soffits of beams and slabs completed with all accessories	m2	32.76		-
3.23	Ditto but to side of slabs size 75-150mm wide	m	34.95		-
	<b>Total Carried to Collection</b>				-
	<b>COLLECTION</b>				
	Page 3				-
	Page 4				-
	Page 5				-

Total Substructure to Summary					-
4	<b>SUPER STRUCTURE</b>				
4.01	150mm thick brick with 1:4 cement:sand mortar wall constructed out of burnt clay bricks	m2	84.92		-
4.02	Approved burnt clay vent bricks or equivalent in cement mortar 1:4	m2	0.96		-
4.03	150x150mm reinforced concrete (1:2:4/19mm aggregates) beam	m3	0.43		-
4.04	High yield tensile steel bar reinforcement size 12mm diameter to BS 4461 as described including cutting to lengths, bending, hoisting and fixing including all necessary tying wire and spacing blocks to beams.	Kg	65.30		-
4.05	Mild steel bar reinforcement size 8mm diameter to BS 4461 at 200mm centers for beams	Kg	28.59		-
4.06	Sawn formworks to sides of beams and soffits of beams completed with all accessories	m2	8.86		-
4.07	One layer 1000 gauge polythene sheet damp proof membrane : Under bed : 300mm laps.	SM	12.28		-
4.08	Place concrete ramp mix 1:2:4 at the entrances with slope 1:10. Rate to include brick work construction).	Lump sum	1.00		-
<b>Total Super Structure to Summary</b>					-
5	<b>ROOF CONSTRUCTION</b>				
5.01	Supply and fix Well treated timber size 50 x 75mm as purlins (pine)	m	42.75		-
5.02	Ditto but 50x100mm as rafters approximately at 1.0m centers	m	29.80		-
5.03	Ditto but 75x100mm as wall plates	m	18.70		-

5.05	Ditto but 20x225mm as fascia boards	m	26.78		-
					-
5.06	PVC storm water gutter with in built fall of 1 in 100 as per Architect's Detailed Drawing complete with a first flush system	m	12.00		-
					-
5.07	Extra over gutter ends	No	2.00		-
					-
5.08	Extra over gutter for outlet to suit 100mm diameter pipe.	No	2.00		-
					-
5.09	Supply and fix 28 G Prepainted corrugated roofing iron sheets as per drawings	m <sup>2</sup>	32.02		-
					-
					-
<b>Total Roof Construction to Summary</b>					-
6	<b>DOORS</b>				
6.01	Supply and Fix Purpose made single shuttersteel panel swing door size 1000x2000mm (D3) with 250mm high permanent vent fabricated from 40x40x1.5mm SHS as shutter frames, 1.2mm thick mild steel plate panel and 1.5mm mild steel louvres. Completed with door frames fabricated from 1.5mm thick standard door frame section, fixing lugs to walls, hinges and locking mechanisms with tri-circle locks size 265 and 3 keys. All pre-approved by engineers and primed with red-oxide before delivery to site.	No	1.00		-
					-
6.02	Ditto but single shutter door size 800x2100mm (D2)	No	6.00		-
					-
6.03	Ditto but single shutter door size 900x2100mm (D4)	No	1.00		-
					-
6.04	Ditto but grill size 1200x1800mm (D1) fabricated from 40x25x1.5mm SHS as shutter frames, 20x20x1.5mm SHS as grills. Completed with door frames fabricated from 1.5mm thick standard door frame section, fixing lugs to walls, hinges and locking mechanisms with tri-circle locks size 265 and 3 keys. All pre-approved by engineers and primed with red-oxide before delivery to site.	No	1.00		-
					-



<b>Total Doors to Summary</b>					-
7	<b>FINISHES</b>				
7.01	25mm thick cement sand floor screed (1:3) finished smooth.	m2	21.18		-
					-
7.02	Ditto but disabled persons' ramp finished rough	m2	4.50		-
					-
7.03	20mm cement, sand (1:4) wall plaster in two coats steel trowled hard and smooth on walls internally. Finish smooth with cement lime slurry	m2	15.99		-
					-
7.04	Inverted V shape well finished copping to be done top of the curtain wall and bath	m	7.92		-
					-
					-
7.05	Finishing brick joints with flush pointing internally	m2	57.55		-
					-
7.06	Ditto externally	m2	60.52		-
					-
7.07	Supply and Install a mirror and towel holder in the washroom	SM	1.00		-
					-
7.08	Supply and fix toilet paper holders in all latrines	No	7.00		-
					-
					-
<b>Total Finishes to Summary</b>					-
8	<b>OTHER EXTERNAL WORK</b>				
8.01	75mm thick concrete (grade 15) splash apron on 100mm hardcore base well rammed and apron finished with 25mm thick cement and sand (1:3) screed trowelled smooth to gentle falls with division strips every 2.00 metre length and including 150mm brick edge wall average 500mm deep rendered on and including 450mm x 50mm thick concrete grade 10 foundation and all necessary excavations and disposal of spoil and formwork to edge of apron	m	22.25		-
					-
8.02	Fabricate and Install PWD standard supports (hand rails, hand supports) etc a	LS	1.00		-
					-

8.03	Supply and install White Vitreous China corner handwash Basin complete with all fittings, valves, chrome plated siphon trap, the price also includes the tap , etc	No.	1.00		-
					-
					-
8.04	Supply and install seat type SaTo pans made for the Disabled in provision made in concrete in disabled latrine stance	No	1.00		-
					-
8.05	Supply and installed 100mm diameter uPVC vent pipe complete with cap, fly screen and painted black. Allow to pass over roof covering by IM.	No.	7.00		-
					-
8.06	Clear the site of all construction debris and level the site, undertake landscaping, tree planting and flowering with species approved by the engineer	Sum	1.00		-
					-
					-
<b>Total Other External Works to Summary</b>					-
9	<b>PAINTING</b>				
9.01	Prepare touch up primer and apply one undercoat and two finishing coats of gloss oil paint on glazed metal doors	m2	17.42		-
9.02	Prepare, prime and paint an undercoat and three coats of Weather guard paint on the coping surface	m	7.92		-
9.03	Knot prime stop and apply one coat undercoat and two finishing coats of weather guard on fascia board 200 - 300mm wide	m	26.78		-
<b>Total Carried to Summary</b>					-
10	<b>RAIN WATER HARVESTING AND HAND WASHING FACILITY</b>				
	<u>1.5m diameter by 800mm high tank base</u> as to detail				
10.01	230mm burnt clay brick wall	m2	3.76		-
10.02	100mm concrete in strip foundation	m3	0.19		-
10.03	75mm oversite plain oversite concrete	m2	1.76		-

10.04	150mm imported hardcore	m3	0.19		-
10.05	ditto for strip foundation footing	m3	0.29		-
10.06	25mm thick cement screed finished smooth and level	m2	1.77		-
10.07	12mm thick cement sand rendering to external plinth wall of tank base starting from ground level	m2	3.29		-
	Steps to water tank				
10.08	75mm thick oversite concrete	m2	0.65		-
10.09	100mm thick to foundation concrete	m3	0.08		-
10.1	230mm thick brick wall with 1:4 Cement sand mortar out of burnt clay bricks	m2	0.70		-
10.11	25mm floor screed finished to weathering and plaster to sides of steps commencing from strip foundation.	m2	1.38		-
	<b>Water tank</b> as to detail				
10.12	1000L PVC tank as CRESTANK CV-100C Size 1.08m diameter, 1.27m high complete with pegler ball valve, 20mm wash out and 20mm over flow and 25mm distribution main	item	1.00		-
10.13	112mm diameter half round UPVC rain water gutter, secured to timber fascia board with screwed metal brackets at 600 c/c	Lm	9.00		-
10.14	75mm UPVC rain water pipe white in colour	Lm	12.00		-
10.15	75mm UPVC bends white in colour	pcs	4.00		-
10.16	UPVC Equal Tee	pcs	1.00		-
10.17	45-degree Elbow with threaded plug and weephole	pcs	1.00		-
10.18	Solvent cement	tin	1.00		-
	Hand Washing				
10.19	Stainless steel 1/2" taps complete with connecting accessories	pcs	4.00		-
10.2	PVC Washout/ 1" in diameter by 12" in length, rubber washers & nuts inclusive	pcs	1.00		-
10.21	PVC Overflow 50mm in diameter by 12" in length, rubber washers & nuts inclusive	pcs	1.00		-
10.22	PVC Long neck screw 1/2" in diameter by 12" in length, rubber washers & nuts inclusive	pcs	4.00		-
10.23	Excavate soak away pit 1.5m wide by 2.5m depth, fill with approved hard core, cover with PVC membrane. Rate should include manholes / inspection chambers and drainage pipes	No.	2.00		-
					-

	<b>Total Carried to Summary</b>				-
	<b>SUMMARY TO BOQ</b>				
2	EXCAVATION AND EARTH WORKS				-
3	SUB-STRUCTURE				-
4	SUPERSTRUCTURE				-
5	ROOFING CONSTRUCTION				-
6	DOORS				-
7	FINISHES				-
8	OTHER EXTERNAL WORK				-
9	PAINTING				-
10	RAIN WATER HARVESTING AND HAND WASHING FACILITY				-
	<b>Total for 1 No. Girls Block</b>				-

No	Description	Unit	Qty	Rate	AMOUNT
	<b>Bill No.3: Incinerator</b>				
1.10	Excavate top vegetable soil average 150mm deep and cart to spoil	m2	4.00		-
1.11	Excavate foundation trenches 0.4m deep	m3	0.76		-
1.12	Return, fill and ram selected excavated material	m3	1.50		-
1.13	Cast strip concrete base slab 230mm depth and 690mm	m3	0.44		
1.14	Build foundation in bricks of 230mm thick and not less than 400mm deep	m2	3.00		-
1.15	Concrete 1:3:6 mix in 150mm thick foundation slab	m3	0.50		-
1.15	Construct inner/refractory wall using refractory Cement bonding with standard Fire bricks for Incinerator, size 225 x 115 x 76mm bonded with fire and refractory cement	m2	4.00		-
1.16	Ditto but for External wall construction with Standard building bricks, size 230 x 150 x 76mm with a pointed brick finish bonded using fire and refractory cement	m2	8.00		-
1.17	Air Inlet: Provide and Fix air inlet made of 200mm High circular GI pipe of 600mm long	Item	1.00		-
1.18	Grate: Provide and Fix grating of 740mm long x 740mm wide made of T12mm bars at a spacing of 25mm both ways	No	1.00		-
1.19	Place concrete upper slab of 1200mm x1200mm x230mm thick in concrete mix of 1:2:4 reinforced with Y12mm bars reinforced both ways	m3	0.30		-
1.20	Install the fire door 400mmX400mm with locking bolt as in drawing with fire cement inclusive of the support mechanism to the inner and outer walls	item	1.00		-
1.21	3m long chimney (above the toilet roof) construction with clay burnt bricks finished in pointed brick	Item	1.00		-
1.22	Provide hopper door connecting the incinerator to the Washroom and the latrine stance adjacent to the Washroom including a 6mm thick selflocking end cover inside stance/washroom as per the drawing and according to the WASH Officers Approval	Item	2.00		-
1.23	Supply & fix Mild Steel metallic 6mm thick steel plates with 1 No. Mild steel lifting handle 12mm diameter bar and counter weight at lower end stopper; fixed with heavy duty hinges at one side and welded to double angle metallic frame as per the drawing; internally welded to metallic cover (MS).	NO	1.00		-
	<b>Total for 1 No. Incinerator</b>				-